INDEX.

Leading Articles.

Another £2000 wanted, 462
Cotton Supply, 381
Death of Samuel Clegg, 30
Extinction of Four-Shilling Gas in London, 634
Fire in Wood Street, The, 498
Gas Agitation in the City, The, 717
Hughes, Mr., Commentary upon the Metropolis Gas Act, 657
Manchester System of Gas Supply, The, 686
Metropolitan Board and the Sale of Gas Act, 659
Municipal Trading, 56
Notes upon Passing Events, 3, 27, 53, 79, 111, 139, 163, 203, 243, 283, 323, 379, 419, 459, 495, 535, 575, 607, 631, 655, 683, 715, 747, 779, 811, 847, 871
Oil-of-Vitriol Bugbear, Reappearance of the, 81
Reappearance of the Oil-of-Vitriol Bugbear, 81
Standard Measures, Variable, 246
Variable Standard Measures, 246

Circular to Gas Companies.

Accounts to be Furnished by the Metropolitan Gas Companies to the Home Secretary, On the, 31, 114, 206, 285
Actions against the Great Central Gas Company, The Threatened, 8, 116
Application for a New Trial in the Case of the Wood Street Fire, 58
Attempts to Reinstate Mr. Taunton, 636
Bolton Corporation Bill, The, 324, 463
Bowditch's, Mr., Plan of Purification, 59
Braidwood's, Mr., Report on the Lighting of the British Museum with Gas, Remarks on, 422
Carpmael's, Mr., Notions about Testing Gasholders, 719
Chartered Gas Company's Appeal, On the Judgment in the Case of the, 497
Cheap Gas Movement in Scotland, The, 498, 541, 579, 690, 719, 751
Colouring Matters derived from Coal-Tar, Mr. Perkin on the, 424
Combustion in Rarefied Air, On Dr. Frankland's Paper upon, 142
Correspondence between Lord Monteagle and Mr. D. Chadwick, the Borough Treasurer of Salford, 285
Deputation to the Home Secretary Relative to the Sale of Gas Act, 284
Disadvantage Attending the Use of Mercurial Pressure Regulators, 851
Dispute between the Local Board of Health and the Gas Company at Shipley, 59
Dissatisfaction of the Vestries with the Metropolis Gas Act, 8, 58
Edinburgh, Mr. Flintoff at, 285, 325
Effects of the Severe Weather upon the Gas Companies, 31
Election of Gas-Meter Inspectors, 689
Elland Gas Bill, 424
Errors of the *City Press*, The, 851, 874
Exchequer Stamp, The, 285
Expenses Incurred by the Treasury in Carrying out the Sale of Gas Act, 635
Extensions of Gas Companies Works, 115
Fate of the Metropolitan Gas Agitators, 143
Flintoff, Mr., in Want of a Job, 851
Flintoffs of the South, The, 325
Gas Agitation in the Metropolis on the Wane, 114
"Gas Legislation," 610
Glasgow, Mr. Flintoff at, 115, 206
Glasgow, Reduction of the Price of Gas at, 207
Glycerine as a Substitute for Water in Wet Gas-Meters, 59
Greenock, Proposed Duties of the Future Meter-Inspector at, 463
"Greenwich Hospital Works" Bill, 168, 247, 285
Highway Bill, The, 463
Huddersfield Gas Bill, The, 325
Hughes, Mr., and the Public Lighting, 83
Hughes, Mr., at Guildford, 423
Hughes, Mr., Circular to the Town-Clerks in the Provinces, 636
"Hydro-Carbonic Gas," 851
Ignorance of the Press with Regard to the Supply of Gas and Gas Legislation, 540
Illiberality of Municipal Traders in Gas, 207
Imperial Gas Company's Appeal, On the Judgment in the, 497, 539
Inactivity of the Metropolitan Board of Works, 850
Inconvenience felt by the Non-appointment of Meter Inspectors for Surrey and Middlesex, 463
Increase in the Value of Gas Property in 1861, 874
Intrigues of Messrs. Glover and Taunton, 384
Judgment of the Court of Queen's Bench in an Appeal of the North Staffordshire Railway Company, 59
Kirkcaldy, Mr. Flintoff at, 423, 464
Lighting Pictures-Galleries with Gas, 540
Lime-Light, The, 540
List of Exchequer Stamps, 783
List of Places which have Adopted the Sale of Gas Act, 690, 719
Longton Gas Company's Defiance of the Law, The, 285, 579
Macclesfield Gas Company, The, 463
Manchester Gas-Works, Mr. Shuttleworth's Paper upon the, 661
Manual of Chemistry, by Dr. Odling, F.R.S., 691
Metropolis Gas Act Amendment, 498, 538, 578
Metropolis Gas Act, Expenses of Obtaining the, 384, 538, 750
Musselburgh, Mr. Flintoff at, 384
Newcastle, Mr. Flintoff at, 612, 636
Outcry against Gas Companies Seeking Statutory Powers, 59
Paris Gas Company, The, 691
Parochial Assessment Bill, The, 83, 115, 247, 498
Payment for Mr. Hughes' Services, 58
Penny, Mr. A., and the Huddersfield Gas Bill, 385
Progress of Gas Bills, 83, 115, 167
Provident Society, Suggestion for the Formation of a, 325
Public Lighting in the Metropolis, 578
Purifiers at Canterbury Erected by Messrs. Cockey and Sons, 59
Reading, Gas Agitation at, 578, 636, 660, 690, 875
Result of the Meeting of the Surrey Consumers Gas Company, 8, 31
Review of Gas Acts passed in the Session of 1861, 611
Review of the Gas Bills to be brought before Parliament in 1861, 6
Review of the Gas Bills to be brought before Parliament in 1862, 874
Rise in Price of Gas in the Eastern Part of the Metropolis, 463
Rise in Price of Gas in the City, 612, 660, 690, 750, 783, 816, 850, 874
Sale of Equitable Gas Shares, 384
Sale of Gas Act and its Amendment, The, 247, 324, 383, 498, 538, 578
Sale of Gas Act and its Operation, 661, 719, 750, 782, 814, 875
Sale of Gas Act and its Opponents, The, 83
Sale of Gas Act, Petitions against the, 284
Sale of Gas Act, The, and its Inefficiency, 167
Sale of Sale Act, Upon the Return of the Correspondence Relative to the, 462
Servier's Self-Acting Governor, 816
Sheffield and its Meter-Inspector, 423
Sheffield, Mr. Flintoff's Reappearance at, 875
Street Railway Companies, 59
Tabular Forms of Messrs. Glover and Marriott, The, 851
Tenders for Public Lighting in Marylebone, 31
Trade Marks, Piracy of, 384
United Kingdom Carburating Gas Company (Limited), 579
Universal Lime-Light Company, The, 83
Wakefield Town Council, The, 719, 875
What are Tenants and what Landlords Fixtures in a Gas-Work?—Illustrated in the Commercial Gas Company's Arbitration, 720
Who should Select the Burner—the "Gas Examiner" or the Company? 784
Wood Street Fire, The, 541

Communicated Articles.

Glycerine, 59
Observations on some Important Defects in the Water-Works Clauses Act, 1847, 876
Remarks on Gas from Water, Turf, and Coal, 143, 168
Who should Propose the Public Works of London? 784

Correspondence.

Blenkiron and Others *v.* the Great Central Gas Company, 116
Bowditch's, Mr., Purifying Process, 116, 169, 207
Circumlocution in the Meter-Inspector's Office, 852
Croll, Mr., and the *Observer*, 661
Croll, Mr., and the Surrey Gas Company, 60
Edinburgh, Flintoff at, 286
Father of Gas Lighting, The, 60
Flintoff at Edinburgh, 286
Gas and Water in Valparaiso, 32
Gas Lighting, The Father of, 60
Gas-Mains, Naphthaline in, 817, 852
Gas Manufacture, Hansor's Improvements in, 208, 248
Gas, Sulphur in, 247
Glover, Mr., and the City Meter-Inspector, 661
Hansor's Improvements in Gas Manufacture, 208, 248
Huddersfield Gas Valuation, The, 208
Meter-Inspector's Office, Circumlocution in the, 852
Metropolitan Board of Works and the Sale of Gas Act, 612, 637, 691
Misrepresentations of Mr. Hughes as to Public Lighting, 116
Naphthaline in Gas-Mains, 817, 852
Parochial Assessment Bill, 144
Public Lamps, Supply of Gas by Meter to, 32
Public Lighting, Misrepresentations of Mr. Hughes as to, 116
Purifying Process, Mr. Bowditch's, 116, 169, 207
Reading Gas Companies, The, 636
Sale of Gas Act and the Metropolitan Board of Works, 612, 637, 691
Sale of Gas Act, The, 785
Sulphur in Gas, 247
Supply of Gas by Meter to Public Lamps, 32
Surrey Consumers Company's Gas, Dr. J. Northcote Vinen on the, 752
Surrey Gas Company and Mr. Croll, 60
The *Observer* and Mr. Croll, 661
Vinen, Dr. J. Northcote, on the Surrey Consumers Company's Gas, 752
Wood Street Fire, The, 541

Register of New Patents.

Bailey, J. and W.—Apparatus for Indicating the Speed, &c., of Liquids, 878
Bailey, W.—Globes or Shades, 692
Barde, J. A.—Apparatus for Producing and Purifying Gas, 464
Batty, C.—Ventilation, 819
Bennett, W. H.—Gas Regulators, 818
Beziat, J. C. M.—Regulators for Steam, Water, and Gas, 386
Biedermann, E.—Apparatus for the Measurement of Gas, &c., 34
Binks, C.—Manufacturing Oxygen Gas, 33
Binks, C.—Manufacturing Gas, 465
Birkbeck, G. H.—Lamp Chimneys, 84
Bowditch, W. R.—Purification of Gas, 424
Bowen, J. J.—Soldering-Irons Heated by Gas, 8
Bridgman, E.—Wet Gas-Meters, 117
Brookes, W.—Apparatus for Measuring Gas, 692
Brooman, R. A.—Desiccating Substances, 8
Brooman, R. A.—Uniting Water, Gas, and other Pipes and Tubes, 326
Brooman, R. A.—Liquid and Fluid Meters, 386
Brooman, R. A.—Apparatus for Lighting Pipes, &c., 613
Bruimer and Levett.—Apparatus for Increasing the Illuminating Power of Coal-Gas, 84
Calvert, F. C.—Collecting Products during Manufacture of Coke, 145
Cameron, P.—Instrument for Measuring the Flow of Liquids, 878
Carstenjen, H.—Increasing the Illuminating Power of Gas, 721
Chalmers, C.—Gas-Stoves, 879
Ching, C.—Gas Chandeliers, 854
Clark, J.—Outside Shop-Lights, 386
Clark, W.—Manufacture of Gas, 464
Clark, W.—Gas-Regulators, 818
Clark, W.—Treatment of Ammoniacal Waters, 852
Clarke, F. J.—Apparatus for Regulating the Supply of Fluids, 879
Clayton, Breedon, and Schneider—Self-Acting Socket, 691
Cooke, W.—Ventilating, 386
Cowan, W.—Gas-Meters, 753
Cowper, C.—Manufacture of Colouring Matters from the Products obtained from the Distillation of Coal-Tar, 209
Croll, A. A.—Manufacture of Sulphate of Alumina, 878
Dauchell, F. H.—Removing Impurities in Water, 854
Davies, G.—Lamps, 171
Davies, G.—Gas-Burners, 785
Donnett, A. V.—Registering Water-Meter, 116
Duckham, H. A. F.—Gas-Meters and Regulators, 287, 877
Durand, F.—Purifying the Thames, 34
Edwards, W.—Apparatus for Regulating Gas, &c., 385
Evans, F. J. and G. F.—Manufacture of Gas, 464
Ferrabee, J. and H.—Apparatus for Lighting, &c., by Gas, 209
Gammon, C.—Ventilators, 662
Gedge, W. E.—Means for Forcing the Flow of Water, 817
Glover, G.—Apparatus used in Measuring Gas, 386
Glover, G.—Gas-Meters and Pneumatometers, 878
Goulson, J.—Gas and other Meters, 61
Gye, F.—Obtaining Light, 721
Hale, T.—Furnaces, 854
Hall, W. K.—Gas-Regulators, 60
Halter and Dourant—Flexible Tubes, 145
Hansor, J.—Manufacture of Illuminating Gas, 171
Hart, H. W.—Gas-Burners, 580
Hawkins, J. B.—Cocks, 613
Hawksley, G.—Apparatus for Measuring Water, 692
Hédou, E.—Manufacture of "Tar Paper," 84
Henry, M.—Gas-Meters, 209
Higginbottom, W.—Pipe-Joints and Valves, 33
Hinks, J.—Glass Chimneys, 637
Hobson, A. and J.—Atmospheric Trap, 286
Humphrey, C. and C.—Distilling Coal and Peat, 387
Hurst, Horsey, and Baker—Taps or Cocks, 248
Jacob, J.—Manufacturing Gas, 661
Jacout, A. B.—Water-Meters, 287
Johnson and Ross—Taps or Valves, 170
Johnson, J. H.—Apparatus for Measuring the Flow of Liquids, 326
Johnson, J. H.—Discoloration and Disinfection of Liquids, 817
Johnson, J. H.—Apparatus for Regulating Gas, 855
Jones, H.—Water-Closets, 32
Jowett, H. A.—Heating Ovens, 464
Keates, T. W.—Purifying Gas, 8
Keen, R. E.—Cocks, Taps, and Valves, 425
Kemp and Hall—Lamps, 818
Kernot, C. N.—Obtaining Ammoniacal Salts, 752
Kinipple, W. R.—Water-Closets, 145
Krokoff, S.—Apparatus for Employing the Electric Light, 34
Kukla, F. X.—Gas-Stoves, 287
Kukla, F. X.—Self-Regulating Gas-Burner, 116
Laming and Smith—Purifying Gas, 33
Launay and Vernez—Treating Coal-Naphtha, 170
Leslie, J.—Manufacture of Gas, 34
Lévêque, A. L.—Apparatus for Carburetting or Naphthalizing Lighting Gas, 386
Lizars, C.—Gas-Meters, 465
Macfarlane, W.—Water-Closets, 8
Maclaren, R.—Connecting Pipes, 752
Manning, J. A.—Collecting Ammonia, 817
Mann, W.—Apparatus for Washing and Condensing Gas, 326
Martin, T.—Connecting and Disconnecting Tubes, 209
Maschwitz, C.—Taps, 637
Mather, C.—Gas Singeing Apparatus, 145
Mennons, M. A. F.—Gas Stop-Cocks, 691
Mennons, M. A. F.—Pipe-Joints, 819
Mitchell, J.—Pipes, Tubes, &c., 385
Moran, W. H.—Gas-Meters, 580
Newton, A. V.—Liquid Meters, 721
Newton, W. E.—Gas-Meters, 208
Newton, W. E.—Gas-Burners, 785
Normandy, A. R.—Connecting Gas and other Pipes, 61, 580
Pedrick, T.—Obtaining and Applying Motive Power, 637
Petrie, J.—Cocks or Taps, 170
Pickstone, W.—Tubes and Pipes, 116
Pinchbeck, J.—Wet Gas-Meters, 721
Prentiss, E. F.—Apparatus for Regulating the Flow of Gas, 580
Prince, A.—Manufacture of Gas, 855
Puls, F.—Obtaining Products from Coal, &c., 465
Ransford, A.—Support for Glass Shades, 170
Renton, A. H.—Apparatus employed in the Production of Light, 385
Richardson, T.—Purifying Gas, 34, 752
Robb, J.—Gas-Stoves, 425
Rogers, J. W.—Means for Collecting Excrement, 286
Roussin, F. Z.—Colouring Matters, 785
Ruydill, G.—Smoke Consumer and Condenser, 817
Shepard, E. C.—Apparatus for Carbonating Gas, 542
Siemens, C. W.—Fluid-Meters, 464
Simmons, G.—Connecting Mains, 662
Smith, E.—Gas-Meters, 878
Standly, H. J.—Production of Gases, 34, 208
Stenhouse, J.—Purifying Coal-Gas, 83
Stone, D.—Arrangements for Preventing Water-Pipes Bursting, 752
Strang, M.—Manufacture of Lubricating Oil, 286
Strathern, A. A. and A.—Stop-Cocks and Valves, 60
Stuart, J.—Treating Hydrocarbon Oils, 116.
Taylor, J. I.—Manufacture of Gas, 662
Trachsel and Clayton, Manufacture of Gas, 662
Vial, L. C. E.—Manufacture of Colouring Matters, 541
Wadsworth, J. and J.—Gas-Burners, 326
Wain and Instone—Lamps, 145
Wanostrocht, V.—Manufacture of Mineral Tar, 425
Ward, J.—Water-Closets, 9
Warlich, F. C.—Preparing Coal for Artificial Fuel, 753
Webster, J.—Obtaining Gas, 386
Webster, J.—Manufacturing Oxygen Gas, 721
Wesolowski, M.—Obtaining Light, 325
West, R.—Wet Gas-Meters, 117
Whittaker, S.—Taps or Cocks, 286
Willcock, J.—Gas-Regulators, 580.
Williams, J. G.—Extracting Noxious Gases from Mines, 465
Williams, W. M.—Obtaining Hydrocarbons from Coal, &c., 541
Williamson and Perkins—Surface-Condensers, 208
Wrigley, T.—Apparatus for Filtering Water, 385

Apparatus employed in the Production of Light—A. H. Renton, 385
Apparatus for Carbonating Gas—E. C. Shepard, 542
Apparatus for Carburating or Naphthalizing Lighting Gas—A. L. Lévêque, 386

Apparatus for Employing the Electric Light—S. Krotkoff, 34
Apparatus for Filtering Water—T. Wrigley, 385
Apparatus for Increasing the Illuminating Power of Coal-Gas—Bruimer and Levett, 84
Apparatus for Indicating the Speed, &c., of Liquids—J. and W. Bailey, 878
Apparatus for Lighting, &c., by Gas—J. and H. Ferrabee, 209
Apparatus for Lighting Pipes, &c.—R. A. Brooman, 613
Apparatus for Measuring Gas—W. Brookes, 692
Apparatus for Measuring Water—G. Hawksley, 692
Apparatus for Measuring the Flow of Liquids—J. H. Johnson, 326
Apparatus for Producing and Purifying Gas—J. A. Barde, 464
Apparatus for Regulating Gas—J. H. Johnson, 855
Apparatus for Regulating Gas, &c.—W. Edwards, 385
Apparatus for Regulating the Flow of Gas—E. F. Prentiss, 580
Apparatus for Regulating the Supply of Liquids—J. F. Clarke, 879
Apparatus for the Measurement of Gas, &c.—E. Biedermann, 34
Apparatus for Washing and Condensing Gas—W. Mann, 326
Apparatus used for Measuring Gas—G. Glover, 386
Arrangements for Preventing Water-Pipes Bursting—D. Stone, 752
Atmospheric Trap—A. and J. Hobson, 286
Cocks—J. B. Hawkins, 613
Cocks or Taps—J. Petrie, 170
Cocks, Taps, and Valves—R. E. Keen, 425
Collecting Ammonia—J. A. Manning, 817
Collecting Products during Manufacture of Coke—F. C. Calvert, 145
Colouring Matters—F. Z. Roussin, 785
Connecting and Disconnecting Tubes—T. Martin, 209
Connecting Gas and other Pipes—A. R. Normandy, 61, 580
Connecting Mains—G. Simmons, 662
Connecting Pipes—R. Maclaren, 752
Desiccating Substances—R. A. Brooman, 8
Discoloration and Disinfection of Liquids—J. H. Johnson, 817
Distilling Coal and Peat—C. and C. Humphrey, 387
Extracting Noxious Gases from Mines—J. G. Williams, 465
Flexible Tubes—Halter and Dourant, 145
Fluid-Meters—C. W. Siemens, 464
Furnaces—T. Hale, 854
Gas and other Meters—J. Goulson, 61
Gas-Burners—J. and J. Wadsworth, 326
Gas-Burners—H. W. Hart, 580
Gas-Burners—G. Davies, 785
Gas-Burners—W. E. Newton, 785
Gas-Chandeliers—C. Ching, 854
Gas-Meters and Pneumatometers—G. Glover, 878
Gas-Meters and Regulators—H. A. F. Duckham, 287, 877
Gas-Meters—W. E. Newton, 208
Gas-Meters—M. Henry, 209
Gas-Meters—C. Lizars, 465
Gas-Meters—W. H. Moran, 580
Gas-Meters—W. Cowan, 753
Gas-Meters—E. Smith, 878
Gas-Regulators—W. K. Hall, 60
Gas-Regulators—J. Willcock, 580
Gas-Regulators—W. Clark, 818
Gas-Regulators—W. H. Bennett, 818
Gas Stop-Cocks—M. A. F. Mennons, 691
Gas-Stoves—F. X. Kukla, 287
Gas-Stoves—J. Robb, 425
Gas-Stoves—C. Chalmers, 879
Glass Chimneys—J. Hinks, 637
Globes and Shades—W. Bailey, 692
Heating Ovens—H. A. Jowett, 464
Increasing the Illuminating Power of Gas—H. Carstenjen, 721
Instrument for Measuring the Flow of Liquids—P. Cameron, 878
Lamp-Chimneys—G. H. Birkbeck, 84
Lamps—Wain and Instone, 145
Lamps—G. Davies, 171
Lamps—Kemp and Hall, 818
Liquid and Fluid Meters—R. A. Brooman, 386
Liquid Meters—A. V. Newton, 721
Manufacture of Colouring Matters from the Products obtained from the Distillation of Coal-Tar—C. Cowper, 209
Manufacture of Colouring Matters—L. C. E. Vial, 541
Manufacture of Illuminating Gas—J. Hansor, 171
Manufacture of Gas—J. Leslie, 34
Manufacture of Gas—F. J. and G. F. Evans, 464
Manufacture of Gas—W. Clarke, 464
Manufacture of Gas—J. I. Taylor, 662
Manufacture of Gas—Trachsel and Clayton, 662
Manufacture of Gas—A. Prince, 855
Manufacture of Lubricating Oil—M. Strang, 286
Manufacture of Mineral Tar—V. Wanostrocht, 425
Manufacture of Sulphate of Alumina—A. A. Croll, 878
Manufacture of "Tar Paper"—E. Hédou, 84
Manufacturing Gas—C. Binks, 465
Manufacturing Gas—J. Jacob, 661
Manufacturing Oxygen Gas—C. Binks, 3
Manufacturing Oxygen Gas—J. Webster, 721
Means for Collecting Excrement—J. W. Rogers, 286
Means for Forcing the Flow of Water—W. E. Gedge, 817
Obtaining Ammoniacal Salts—C. N. Kernot, 752
Obtaining and Applying Motive Power—T. Pedrick, 637
Obtaining Gas—J. Webster, 386
Obtaining Hydrocarbons from Coal, &c.—W. M. Williams, 541
Obtaining Light—M. Wesolowski, 325
Obtaining Light—F. Gye, 721
Obtaining Products from Coal, &c.—F. Puls, 465
Outside Shop-Lights—J. Clark, 386
Oxygen Gas, Manufacturing—C. Binks, 33
Pipe-Joints and Valves—W. Higginbottom, 33
Pipe-Joints—M. A. F. Mennons, 819
Pipes, Tubes, &c.—J. Mitchell, 385
Preparing Coal for Artificial Fuel—F. C. Warlich, 753
Production of Gases—H. J. Standly, 34, 208
Purification of Gas—W. R. Bowditch, 424
Purifying Coal-Gas—J. Stenhouse, 83
Purifying Gas—T. W. Keates, 8
Purifying Gas—Laming and Smith, 33
Purifying Gas—T. Richardson, 34, 752
Purifying the Thames—F. Durand, 34
Registering Water-Meter—A. V. Donnett, 116
Regulators for Steam, Water, and Gas—J. C. M. Beziat, 386
Removing Impurities in Water—F. H. Dauchell, 854
Self-Acting Socket—Clayton, Breedon, and Schneider, 691
Self-Regulating Gas-Burner, F. X. Kukla, 116
Singeing Apparatus—C. Mather, 145
Smoke Consumer and Condenser—G. Ruydill, 817
Soldering-Irons Heated by Gas—J. J. Bowen, 8
Stop-Cocks and Valves—A. A. and A. Strathern, 60
Supports for Glass Shades—A. Ransford, 170
Surface-Condensers—Williamson and Perkins, 208
Taps—C. Maschwitz, 637
Taps or Cocks—Hurst, Horsey, and Baker, 248
Taps or Cocks—S. Whittaker, 286
Taps or Valves—Johnston and Ross, 170
Treating Coal-Naphtha—Launay and Vernez, 170
Treating Hydrocarbon Oils—J. Stuart, 116
Treatment of Ammoniacal Waters—W. Clark, 852
Tubes and Pipes—W. Pickstone, 116
Uniting Water, Gas, and other Pipes and Tubes—R. A. Brooman, 326
Ventilating—W. Cooke, 386
Ventilation—C. Batty, 819
Ventilators—C. Gammon, 662
Water-Closets—W. Macfarlane, 8
Water-Closets—J. Ward, 9
Water-Closets—H. Jones, 32
Water-Closets—W. R. Kinipple, 145
Water-Meters—A. B. Jacout, 287
Wet Gas-Meters—E. Bridgman, 117
Wet Gas-Meters—R. West, 117
Wet Gas-Meters—J. Pinchbeck, 721

Applications for Letters Patent, 171, 210, 248, 287, 326, 387, 425, 465, 501, 542, 581, 613, 638, 662, 692, 722, 753, 785, 819, 855, 879

Provisional Protections, 9, 34, 61, 84, 117, 145, 171, 210, 248, 288, 326, 387, 426, 466, 501, 542, 581, 613, 638, 662, 692, 722, 753, 786, 819, 855, 879

Notices to Proceed, 9, 35, 61, 84, 117, 145, 171, 210, 248, 288, 327, 387, 426, 466, 501, 542, 581, 614, 638, 662, 693, 722, 754, 786, 819, 856, 880

Patents which have become Void, 84, 288, 581, 754, 820

Application for Leave to Enter a Disclaimer, 288

Invention Protected for Six Months by the Deposit of a Complete Specification, 753, 880

Parliamentary Intelligence.

Blackburn Water Bill (House of Commons), 466
Blackburn Water Bill (House of Lords), 388
Bolton Corporation Bill (House of Commons), 353
Dewsbury and Batley Gas Bill, The (House of Lords), 219
Dublin Corporation Water Bill (House of Commons), 249, 292, 333
Dublin Corporation Water Bill (House of Lords), 581
Elland Gas Bill (House of Commons), 178
Elland Gas Bill (House of Lords), 427
Huddersfield Gas Bill (House of Commons), 179
Huddersfield Gas Bill (House of Lords), 393
Lime-Light Company's Bill, 9
Local Government Act Amendment Bill, 147
Macclesfield Gas Bill (House of Lords), 210
Metropolis Gas Act Amendment Bill, 543
Notices Given for Private Bills, 9, 820, 856
Portsea Gas Bill (House of Commons), 472
Portsea Gas Bill (House of Lords), 224
Progress of Bills in the House of Commons, 84, 118, 146, 172, 249, 288, 327, 388, 426, 466, 501, 542, 581
Progress of Bills in the House of Lords, 84, 117, 145, 171, 248, 288, 327, 387, 426, 466, 501, 542, 581
Sowerby Bridge Gas Bill (House of Lords), 427
Sowerby Bridge Gas Consumers Bill and the Sowerby Bridge Gas Bill (House of Commons), 172
Southwark and Vauxhall Water Bill (House of Lords), 289
Stockport District Water-Works Bill (House of Commons), 433
Stockport District Water-Works Bill (House of Lords), 587
Street Railway Company's (Limited) Bill, 61
Trade Marks Bill, 119
Wigan Gas, Meter, and Fitting Bill (House of Commons), 473
Wolverhampton New Water-Works Bill (House of Lords), 327

Legal Intelligence.

An Inspector Summoned for Refusing to Stamp Meters, 663, 821
Birmingham Water-Works Company *v.* the London and North-Western Railway Company, 85
Blenkiron *v.* the Great Central Gas Company, 64
Bow Street Police-Court—An Inspector Summoned for Refusing to Stamp Meters, 821
Bristol Police-Court—Gas Stealing, 884
Chartered Gas Company, *Appellants;* and the Parish of St. Botolph, Bishopsgate, *Respondents*, 515
Chartered Gas Company, The, and the Marine Store Dealer, 148
City of London Quarter Sessions—The Chartered Gas Company, *Appellants;* and the Parish of St. Botolph, Bishopsgate, *Respondents*, 515
Clark *v.* the Mayor and Corporation of Hastings, 191, 422
Coates *v.* the Nottingham Water-Works Company, 477
Court of Bankruptcy—In *re* the Borough of Marylebone Gas Consumers Company, 479
Court of Chancery—Hills *v.* Evans, 591, 856
Court of Common Pleas—Holliday *v.* the Vestry of St. Leonard, Shoreditch, 446
Court of Common Pleas—Horton *v.* Mabon, 880
Court of Queen's Bench—Blenkiron *v.* the Great Central Gas Company, 64
Court of Queen's Bench—Dixon *v.* Fawcus, 86
Court of Queen's Bench—Prior *v.* Laming, 443
Court of Queen's Bench—Purnell *v.* the Wolverhampton Water-Works Company, 406
Court of Queen's Bench—Regina, on the Prosecution of the Parish of Rushton Spencer, *v.* the North Staffordshire Railway Company, 64
Court of Queen's Bench—Steggles *v.* the New River Company, 821
Court of Queen's Bench—Sturgeon and Another *v.* the Great Central Gas Company, 502
Court of Queen's Bench—The Queen *v.* the Birmingham Water-Works Company, 304
Court of Queen's Bench—The Queen *v.* the Longton Gas Company (Limited), 305, 591
Court of Queen's Bench—The South Staffordshire Water-Works Company, *Appellants;* the Churchwardens and Overseers of the Parish of Darlaston, *Respondents*, 478
Dixon *v.* Fawcus, 86
Friend *v.* Dennett, 191
Gas Stealing at Bristol, 884
Greenwich County Court—Surrey Gas Consumers Gas Company *v.* Bakewell, 147
Greenwich Police-Court—Important Decision under the Metropolitan Buildings Act, 406
Guildhall Police-Court—An Inspector Summoned for Refusing to Stamp Meters, 663
Guildhall Police-Court—The Chartered Gas Company and the Marine Store Dealer, 148
Harper *v.* Pearson, 35
Hills *v.* Evans, 120, 591, 786, 856
Holliday *v.* the Vestry of St. Leonard, Shoreditch, 446
Horton *v.* Mabon, 880
Imperial Gas Company, The, *Appellants;* the Metropolitan Board of Works, *Respondents*, 786
Imperial Gas Company, The, *Appellants;* the Parish of Paddington, *Respondents*, 86, 543
Important Decision under the Metropolitan Buildings Act, 406
Lord Chancellor's Court—Hills *v.* Evans, 786
Marylebone Gas Consumers Company, 479
Middlesex Adjourned Sessions—The Imperial Gas Company, *Appellants;* the Parish of Paddington, *Respondents*, 86, 543
Middlesex Sessions—The Imperial Gas Company, *Appellants;* the Metropolitan Board of Works, *Respondents*, 786
Postle *v.* the Bury St. Edmund's Gas Company, 119, 344
Prior *v.* Laming, 443
Purnell *v.* the Wolverhampton Water-Works Company, 406
Queen, The, *v.* the Birmingham Water-Works Company, 304
Queen, The, *v.* the Longton Gas Company (Limited), 305, 591
Regina, on the Prosecution of the Parish of Rushton Spencer, *v.* the North Staffordshire Railway Company, 64
Rolls Court—Coates *v.* the Nottingham Water-Works Company, 477
Sheffield Police-Court—Summons for Fixing an Unstamped Meter, 787, 828
South Staffordshire Water-Works Company, *Appellants;* the Churchwardens and Overseers of the Parish of Darlaston, *Respondents*, 478
Steggles *v.* the New River Company, 821
Sturgeon and Another *v.* the Great Central Gas Company, 502
Summons for Fixing an Unstamped Meter, 787, 828
Surrey Consumers Gas Company *v.* Bakewell, 147
Vice-Chancellor's Court—Clark *v.* the Mayor and Corporatien of Hastings, 191, 442
Vice-Chancellor's Court—Friend *v.* Dennett, 191
Vice-Chancellor's Court—Harper *v.* Pearson, 35
Vice-Chancellor's Court—Hills *v.* Evans, 120
Vice-Chancellor's Court—Postle *v.* the Bury St. Edmund's Gas Company, 119, 344
Vice-Chancellor's Court—The Birmingham Water-Works Company *v.* the London and North-Western Railway Company, 85

Meetings of Gas Companies, &c.

Bahia Gas Company, 479
Bilston Gas Company, 42
Brighton and Hove Gas Company, 232
Chartered Gas Company, 312, 759
City of London Gas Company, 88, 592
Commercial Gas Company, 305, 728
County and General Gas Consumers Company, 148, 614
Crystal Palace District Gas Company, 192, 663
Dublin Alliance and Consumers Company, 231
Equitable Gas Company, 345, 789
European Gas Company, 124, 562, 594, 664
Glasgow Gas Company, 595
Great Central Gas Consumers Company, 309, 754
Imperial Gas Company, 266, 724
London Gas Company, 263, 722
Oriental Gas Company (Limited), 407
Phœnix Gas Company, 122, 597, 615
Ratcliff Gas Company, 148, 638
South Metropolitan Gas Company, 230, 693
Stoke Fenton and Longton Gas Company, 72
Surrey Consumers Gas Company, 36, 268, 726
Tottenham and Edmonton Gas Company, 758
United General Gas Company, 191, 664
Western Gas Company (Limited), 308, 791
Wolverhampton Gas Company, 150

Miscellaneous.

Aldis's, Dr., Report on the Gas supplied in St. George's, Hanover Square, 639, 860
Allan's Compensating Meter, Experiments on, 706
Amendment of the Sale of Gas Act, 314
America, The Manufacture of Cast-Iron Pipes in, 641
American Gas-Coal, New, 838
American Legislation for the Inspection and Stamping of Gas-Meters, 704
Annual Report of the Manchester Gas Committee, 735
Arsenic and Antimony in the Sources and Beds of Streams and Rivers, 71
Artesian Well at Passy, The, 406
Artificial Production of Alizarine, On the, 705
Art in Theory and Practice, 673
Banbury, Deficient Supply of Gas at, 19
Bisulphide of Carbon in Coal-Gas, Detection of, 42, 705
Birkenhead Water Supply, The, 270
Bolton Corporation, in an Unsuccessful Attempt to Obtain the Gas-Works, 1861, Costs of the, 693
Brighton, The Gas Supply of, 449
Bristol, Celebration of the Jubilee of Gas Lighting in, 645
Bristol, Sale of Gas Shares at, 837
British Coal Trade, The, 42
Bronze, A Good Receipt for, 154
Buntingford, Hertfordshire, 673
Burslem Gas-Works, 314
Canada, The Rock-Oil of, 673
Cast-Iron Pipes in America, The Manufacture of, 641
Cement, A New, 770
Charge of Stealing Gas at Sunderland, 314
Cheap Gas Movement in Edinburgh, The, 769
City of London Quarter Sessions, 270
Coal Trade, The British, 42
Colouring Matters derived from Coal-Tar, On the, 447, 483
Combustion in Rarefied Air, On some Phenomena attending, 152
Combustion, On the Influence of Atmospheric Pressure upon some of the Phenomena of, 703
Concert, The Gas, 129
Consumption of Gas in Paris, 72
Conviction for Illegally Obtaining Gas, 449
Conviction of a Collector for Embezzlement, 565
Cost of Lighting the Houses of Parliament, 565
Costs of the Bolton Corporation in an Unsuccessful Attempt to obtain the Gas-Works, 1861, 693
Deficient Supply of Gas at Banbury, 19
Destruction of Fish by Gas Liquor, 706
Detection of Bisulphide of Carbon in Coal-Gas, 42, 705
Disinfection of Sewerage, 673
Dunfermline Gas Company, 485
Economy, Fruits of Ill-Judged, 19
Edinburgh Gas Company, 485
Edinburgh, The Cheap Gas Movement in, 769
Embezzlement, Conviction of a Collector for, 565
Exhibition Building, The New, 233
Expenses incurred by the Treasury under the Sale of Gas Act, 639
Experiments on Allan's Compensating Gas-Meter, 706
Experiments upon Turbine Water-Wheels at the Philadelphia Water-Works, 12
Explosion at an American Oil Well, 449
Explosion of a Gasholder at the Preston Gas-Works, 127, 232
Explosion of a Paraffin Lamp, Death by the, 597, 616
Explosion of Gas at Glasgow, 19
Explosion of Gas at Pendleton, 234, 270
Explosion of Gas at the Wesleyan Schools, Westminster, 72
Explosion of Gas near Halifax, 72
Failure in the Supply of Gas at Halifax, 42

Fire at the European Gas-Works, Havre, 673
Fruits of Ill-Judged Economy, 19
Gas and Music, 72.
Gas-Coal, New American, 838
Gas Concert, The, 129
Gas from Sugar Cane, 673
Gasholder at Scarborough, New, 837
Gas Lighting in Bristol, Celebration of the Jubilee of, 645
Gas Lighting in Havre, 72
Gas-Lights in Railway Trains, 72
Gas-Liquor, Destruction of Fish by, 706
Gas, Proposed Lighting of Pavia with, 129
"Gas-Prover," or Instrument for ascertaining the Quality of Gas, 10, 41
Gas Question in Reading, The, 640, 671, 697
Gas Stealing, 770
Gas Supply at Brighton, The, 449
Gas-Works at Burslem, 314
Gas-Works at Philadelphia, 101
Gillard Water-Gas, at Highgate, The, 194
Glasgow, Explosion of Gas at, 19
Glasgow Gas Company, Report to the Town Council, 95
Glass Shades, On the Loss of Light by, 11, 346
Great Central Gas Company, Dr. Letheby's report on the gas supplied by the, 449
Great Central Gas-Works, Workmen's Treat at the, 565
Green, Mr., late Secretary to the Bolton Gas Company, Testimonial to, 234
Greenock Gas Committee, and the Sale of Gas Act, 482
Guy's Hospital Well, 99
Half-Holiday Movement, The Saturday, 101
Halifax, Failure in the supply of Gas at, 42
Halifax, Gas Explosion near, 72
Havre, Fire at the European Gas-Works, 673
Havre, Gas Lighting in, 72
Hillier's, Dr., Report on the Gas Supplied by the Imperial Gas Company in St. Pancras, 735
Houses of Parliament, Cost of Lighting the, 565
Illegally obtaining Gas, Conviction for, 449
Indictment against Farmers under the Nuisances Removal Act, 234
Influence of Atmospheric Pressure upon some of the Phenomena of Combustion, On the, 703
Inspection and Stamping of Gas-Meters, American Legislation for the, 704
Kerosolene, On, 860
Kinver, Staffordshire, 706
Law Courts, Science in the, 622
Leicester Sewerage Works, The, 645
Leslie, Mr. F., Presentation of a Testimonial to, 565
Letheby's, Dr., Report on the Gas supplied by the Great Central Gas Company, 449
Lighting Gas in the Manufacture of Steel, On the Employment of, 673
Lime-Light at the South Foreland, The, 673
Local Decomposition in Lead Aqueduct Pipes, 837
Loss of Light by Glass Shades, On the, 11, 346
Main Drainage Works, 43, 270
Manchester Gas Committee, Annual Report of the, 735
Manchester Gas-Works, Some Account of the, 699
Manhattan Gas Company, The, New York, 154
Manufacture of Oxygen and Hydrogen, On the, 98, 128
Metropolis Gas Supply—City of London Court of Sewers, 665, 694, 731, 764, 792, 831, 857, 884
Metropolis Gas Supply—Court of Common Council, 667, 732, 795, 831, 859
Metropolis Gas Supply—Marylebone Vestry, 735, 798
Metropolis Gas Supply—Westminster Board of Works, 88, 127, 151, 408, 798
Metropolitan Board of Works, 67, 447, 480, 563, 595, 669, 695, 731, 768, 798, 835, 860
Metropolitan Gas Supply, The, 126, 150, 524
Metropolitan Main Drainage, 270
Middlesex General Quarter Sessions—The Sale of Gas Act, 564
Music, Gas and, 72
New York, The Manhattan Gas Company, 154
Northern Middle-Level Metropolitan Sewer, 19
Nuisances Removal Act—Indictment against Farmers under the, 234
Oil Well, Explosion at an American, 449
Oil Wells in Virginia, 270
Oxygen and Hydrogen, On the Manufacture of, 98, 128
Paraffin Lamp, Death by the Explosion of a, 597, 616
Paris, Consumption of Gas in, 72
Paris Gas Company, Report of the, 701
Passy, The Artesian Well at, 406
Pavia with Gas, The Proposed Lighting of, 129
Pendleton, Gas Explosion at, 234, 270
Pharmacy, On the Use of Saponined Tar in, 71
Philadelphia Gas-Works, 101
Pig-Iron Trade, The Scotch, 42
Pig-Iron Trade, The, 72
Portrait of the late Mr. A. Wright, 346
Preston Gas-Works, Explosion of a Gasholder at the, 127, 232
Purification of Gas from Bisulphide of Carbon, 68
Railway Trains, Gaslights in, 72
Reading, The Gas Question in, 640, 671, 697
Receipt for Bronze, A Good, 154
Report of Mr. Haywood on the Supply of Napthalized Gas to Street Lamps, 596
Report of the Paris Gas Company, 701
Report on the Gas of the Surrey Consumers Gas Company, 42
Report to the Town Council in Reference to the Glasgow Gas Company, 95
Rock-Oil of Canada, The, 673
Rofe, Mr., of Preston, Retirement of, 565
Royal Institution—On Some Phenomena Attending Combustion in Rarefied Air, 152
Royal Society—Purification of Coal-Gas from Bisulphide of Carbon, 68
Sale of Gas Act, Amendment of the, 314
Sale of Gas Act and the Gas Committee of Greenock, 482
Sale of Gas Act, Return of Expenses Incurred, 639
Sale of Gas Act, The, 564, 596
Sale of Gas Shares at Bristol, 837
Saponined Tar in Pharmacy, On the Use of, 71
Saturday Half-Holiday Movement, 101
Scarborough, New Gasholder at, 837
Science in the Law Courts, 622
Scotch Pig-Iron Trade, The, 42
Sewer, Northern Middle Level, Metropolitan, 19
Sewerage, Disinfection of, 673
Sewerage Works at Leicester, 645
Society of Arts—G. R. Burnell, Esq., on the Water Supply of London, 90
Some Account of the Manchester Gas-Works, 699
Southampton Town Council, 482
Southborough Gas-Works, 42
South Foreland, The Lime-Light at the, 673
Stealing Gas, 770
Steel, On the Employment of Lighting Gas in the Manufacture of, 673
Streams and Rivers, On the Presence of Arsenic and Antimony in the Sources and Beds of, 71
Street Tramways, Mr. Train's, 735
Sugar-Cane, Gas from, 673
Sulphide of Carbon in Coal-Gas, Test for, 129
Sunderland, Charge of Stealing Gas at, 314
Surrey Consumers Company, Report on the Gas of the, 42
Surrey Consumers Gas-Works, Testimonial to the Manager of the, 645
Surrey Quarter Sessions, 525
Test for Sulphide of Carbon in Coal-Gas, 129
Testimonial to Mr. F. Leslie, Presentation of a, 565
Testimonial to Mr. Green, late Secretary to the Bolton Gas Company, 234
Testimonial to the Manager of the Surrey Consumers Gas-Works, 645
Torbane Hill Mineral, The, 270
Town in Darkness, A, 861
Train's, Mr., Street Tramways, 735
Turbine Water-Wheels at the Philadelphia Water-Works, Experiments upon, 12
Upward's Tapping-Drill, 36
Vinen, Dr. J. Northcote, Fortnightly Report on the Gas supplied by the Surrey Consumer's Gas Company, 72, 101, 234, 270, 314, 346, 409, 449, 485, 526, 597, 622, 673, 706, 735, 770, 837, 861
Virginia, Oil Wells in, 270
Water-Gas at Highgate, The Gillard, 194
Water Supply at Birkenhead, The, 270
Water Supply of London, G. R. Burnell, Esq., on the, 90
Water Supply of Woolwich, The, 194
Well, Guy's Hospital, 99
Wesleyan Schools, Westminster, Explosion of Gas at the, 72
Westminster Board of Works, 88, 127, 151, 407
Wonderful if True, 770
Woolwich, The Water Supply of, 194
Workmen's Treat at the Great Central Gas Works, 565
Wright, Mr. A., Portrait of the late, 346

Gas Share List, 14, 271, 617

Water Share List, 18, 410, 621

Price Current, 18, 43, 72, 102, 129, 153, 193, 410, 486, 597, 621, 646, 738, 770, 801, 838, 861, 885